

# OUTDOOR FIBER CABLE OM3

109-133XX

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## Overview

- Category: OM3
- Outdoor Fiber Optic Cable with Steel Wire Support, designed for high tensile strength and crush resistance, ideal for reliable data transmission in demanding environments

## Industry Standard

- IEC60332-3C
  - Bellcore GR-20-CORE
  - ISO/IEC11801, ANSI/TIA 568-2.D
- CENELEC EN 50173
  - IEC60794-1
  - ITU-T G.657

## Applications

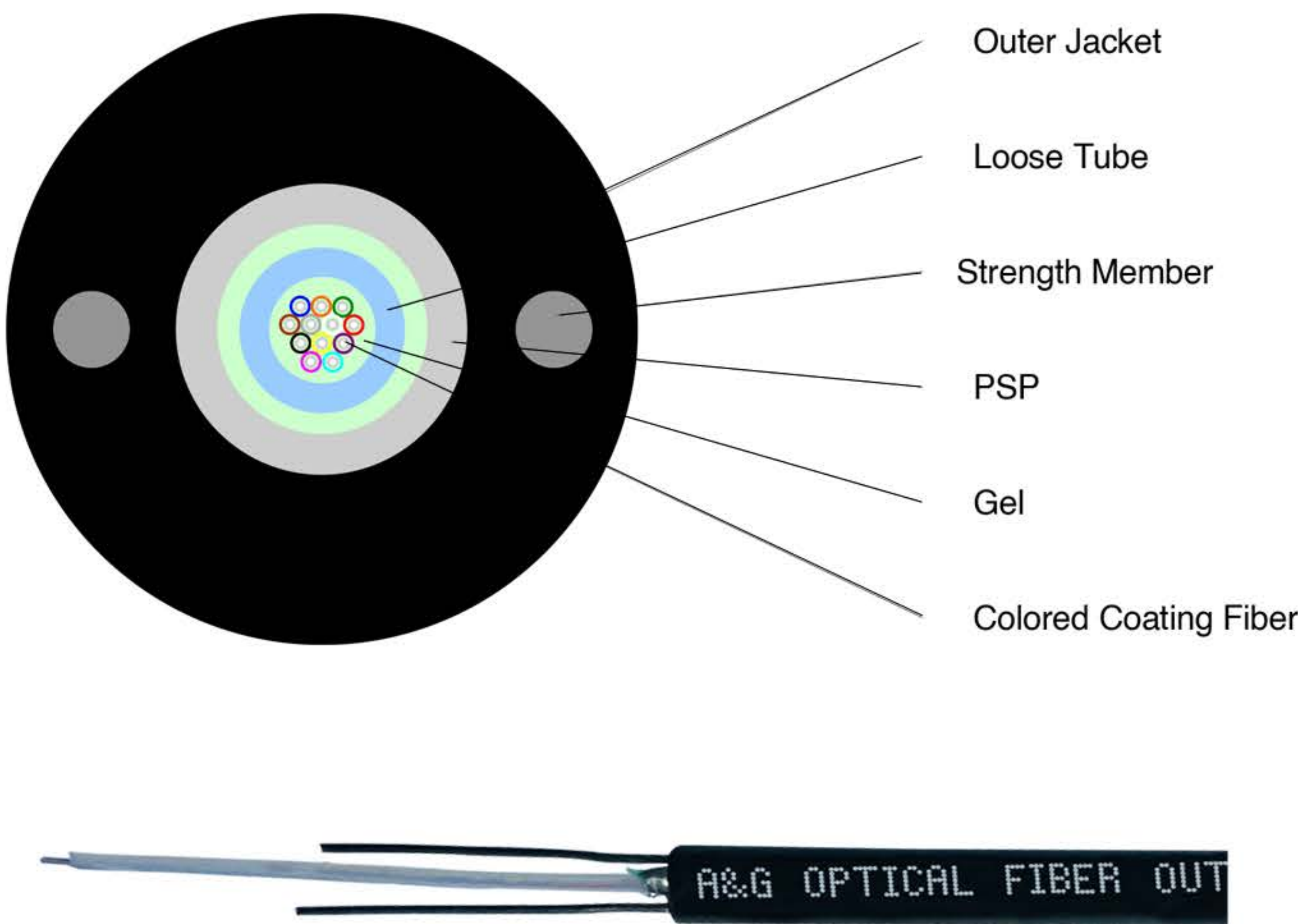
- Inter-building connectivity
- Backbone premise pathways
- Drop ceiling installations
- Suitable for 10Gbps Ethernet, 550Mgh Broadband Video, SAN, data center, and indoor any-purpose cable distribution.

## Ordering Information

| Part Number | Description                                                               |
|-------------|---------------------------------------------------------------------------|
| 109-13306   | 6C OUT-DOOR ARMOR FIBER CABLE UNITUBE WITH STEEL WIRE SUPPORT 50/125 OM3  |
| 109-13308   | 8C OUT-DOOR ARMOR FIBER CABLE UNITUBE WITH STEEL WIRE SUPPORT 50/125 OM3  |
| 109-13312   | 12C OUT-DOOR ARMOR FIBER CABLE UNITUBE WITH STEEL WIRE SUPPORT 50/125 OM3 |

## General Information

- Fiber Count: 2 to 48
- Colored Coating Fiber Dimension: 250µm±15µm,
- Loose Tube Dimension: 2.1mm±0.5mm
- Loose Tube Material: PBT
- Loose Tube Color: Natural
- Colored Coating Fiber Color:
  1. Blue
  2. Orange
  3. Green
  4. Brown
  5. Grey
  6. Natural
  7. Red
  8. Black
  9. Yellow
  10. Purple
  11. Pink
  12. Aqua
- Strength Member Material: Steel
- Strength Member Diameter: 1.2mm
- Outer Jacket Dimension: 9.0mm±0.3mm,
- Outer Jacket Material: PE
- Outer Jacket Color: Black
- Jacket Properties: Anti-corrosion, Anti-water, Anti-ultraviolet Radiation, Flame retardant,Environmentally harmless, etc.



Geometric Parameters

- Core Diameter: 50.0±2.5μm
- Cladding Diameter: 125.0±1.0μm
- Cladding Non-Circularity: ≤1.0
- Core-Cladding Concentricity Error: ≤1.0
- Coating Diameter: 245±5μm
- Coating Non-Circularity: ≤6.0
- Cladding-Coating Concentricity Error: ≤10.0

Optical Performance Parameters

- Bandwidth (min) 850nm: 1500 MHz
- Bandwidth (min) 1300nm: 500 MHz
- Attenuation (max.) 850nm: ≤3.0 dB/km
- Attenuation (max.) 1300nm: ≤1.0 dB/km

Mechanical and Environmental Characteristics

| Items                      | Unite  | Specification |
|----------------------------|--------|---------------|
| Tension (Long Term)        | N      | 800           |
| Tension (Short Term)       | N      | 1600          |
| Crush (Long Term)          | N/10cm | 300           |
| Crush (Short Term)         | N/10cm | 1000          |
| Min. Bend Radius (Dynamic) | mm     | 20D           |
| Min. Bend Radius (Static)  | mm     | 10D           |
| Installation Temperature   | °C     | -20~+60       |
| Operating Temperature      | °C     | -40~+70       |
| Storage Temperature        | °C     | -40~+70       |